

ATTORNEY DOCKET NO. 19113.0083U4  
PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

**Dix, Thomas A.**

Serial No.: 10/092,287

Filed: March 6, 2002

For: "POSITIVELY CHARGED NON-NATURAL  
AMINO ACIDS, METHODS OF MAKING  
THEREOF, AND USE THEREOF IN PEPTIDES"

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)  
) Group Art Unit: 1646  
)  
) Examiner: Unassigned  
)  
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)  
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INFORMATION DISCLOSURE STATEMENT SUBMITTED  
IN ACCORDANCE TO THE PROVISIONS OF 37 C.F.R. §1.97(c)

Commissioner for Patents  
Washington, D.C. 20231

NEEDLE & ROSENBERG, P.C.  
The Candler Building  
127 Peachtree Street, N.E.  
Atlanta, Georgia 30303-1811

May 30, 2002

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying form PTO 1449 is a listing of documents known to the applicants and/or their attorneys. Copies of these documents are enclosed.

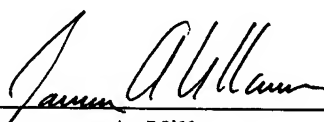
The undersigned hereby certifies under 37 C.F.R. § 1.97(e)(1) that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement.

Consideration of the cited documents and making the same of record in the prosecution of the above-noted application are respectfully requested.

No further fee is believed due pursuant to 37 C.F.R. § 1.97(c)(1). However, the Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

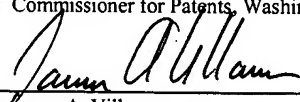
NEEDLE & ROSENBERG, P.C.

  
\_\_\_\_\_  
Lawrence A. Villanueva  
Registration No. 43,968

NEEDLE & ROSENBERG, P.C.  
The Candler Building  
127 Peachtree Street, N.E.  
Atlanta, Georgia 30303-1811  
404/688-0770

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date shown below.

  
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U.S. DEPARTMENT OF COMMERCE (Rev. 7-80)  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.: 19113.0083U4

SERIAL NO. 10/092,287

APPLICANT: Thomas A. Dix

LIST OF PRIOR ART CITED BY APPLICANT  
(Use several sheets if necessary)

FILING DATE: March 6, 2002

GROUP: 1646

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	B1	5,494,898	02/27/96	Cheng <i>et al.</i>			

## FOREIGN PATENT DOCUMENTS

	B2	DE 19933701 A1	01/25/01	Wilhelm <i>et al.</i> (Germany)			
	B3	WO 98/48826	11/05/98	Silverman <i>et al.</i> (PCT)			
	B4	WO 94/28921	12/22/94	Jaynes <i>et al.</i> (PCT)			
	B5	WO 94/25477	11/10/94	Nielsen <i>et al.</i> (PCT)			
	B6	EP 0498941 A2	08/19/92	Cheng <i>et al.</i> (Europe)			
	B7	WO 89/01944	03/09/89	Folkers <i>et al.</i> (PCT)			
	B8	DE 3327873 A1	02/09/84	Fujii <i>et al.</i> (Germany)			

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	B9	Chebotareva <i>et al.</i> Lipoic Acid (6,8-Dithiooctanic Acid) - (II) Synthesis of Benzhydrylammonium Salts of DL-, Alpha.-Lipoyl-L-Phenylalanine, -L-Methionine, and -L-Valine. <i>Chemical Abstracts Service</i> , Database Accession No. CA62:7859a/AN, CAOLD, XP002194817, 62(7) (1965)
	B10	Havinga and Schattenkerk. Studies on Polypeptides—V <sup>1</sup> : Properties of the Arginyl Residue of Des-Asp <sup>1</sup> -Ile <sup>5</sup> -Angiotensin II Essential to Pressor Activity. <i>Tetrahedron</i> , 8(Part I):313-319 (1966)
	B11	Hempel and Lange. Synthese Tritium-markierter, N-methylierter Lysine. <i>Hoppe-Seyler's Z. Physiol. Chem.</i> , 350:867-876 (1969)
	B12	Kataoka. N <sup>o</sup> -Dimethyl- or N <sup>o</sup> -trimethyl-2, <sup>o</sup> -diaminocarboxylic acids. 6001 <i>Chemical Abstracts</i> , XP002194816, 69(25) (1968)
	B13	Kennedy <i>et al.</i> Asymmetric Synthesis of Non-Natural Homologues of Lysine. <i>Bioorganic &amp; Medicinal Chem. Ltrs.</i> , 7(14):1937-1940 (1997)
	B14	Kennedy <i>et al.</i> Design rationale, synthesis, and characterization of non-natural analogs of the cationic amino acids arginine and lysine. <i>J. Peptide Res.</i> , 55(4):348-358 (2000)
	B15	Lundquist and Dix. Synthesis and Human Neurotensin Receptor Binding Activities of Neurotensin(8-13) Analogues Containing Position 8 $\alpha$ -Azido-N-alkylated Derivatives of Ornithine, Lysine, and Homolysine. <i>J. Med. Chem.</i> , 42:4914-4918 (1999)
	B16	Moore <i>et al.</i> N <sup>o</sup> , N <sup>o</sup> -Dimethyl-lysine cytochrome c as an NMR probe for lysine involvement in protein-protein complex formation. <i>Biochem. J.</i> , 332:439-449 (1998)
	B17	Porcelli <i>et al.</i> A Kinetic Analysis of $\gamma$ -Aminobutyrate Aminotransferase in Presence and Absence of Inhibitors. <i>Ber. Bunsenges. Phys. Chem.</i> , 100(5):671-679 (1996)



	B18	Takemoto et al. Comprehensive Constituents of Marine Algae - (I) Basic Amino Acid, Laminine, and the Basic Constituents Isolated from Laminaria Augustata (II) Synthesis of Laminine and Related Compounds, <i>Chemical Abstracts Service</i> , Database Accession No. CA62:7858e/AN, CAOLD, XP002194818, 84(12):1176-1182 (1964)
	B19	Tsuzuki et al. Synthesis of [ $^2\text{H}_9$ ]- and [ $^2\text{H}_8$ ]-Lysines. <i>J. Chem. Res.</i> , S:412-413 (1996)
EXAMINER:		DATE CONSIDERED: JUN 11 2002
		TECH CENTER 1600/2900
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		